

**What is claimed is:**

1       1. An ignition coil comprising:  
2           a casing; and  
3           a bobbin, including a body and a plurality of first  
4           terminals embedded in the body, disposed inside  
5           the casing, wherein each first terminal is  
6           abutted by the body and the casing respectively  
7           so that each first terminal is maintained in a  
8           predetermined position on the body.

1       2. The ignition coil as claimed in claim 1,  
2       wherein the bobbin is formed with a plurality of concave  
3       portions for receiving the first terminals therein.

1       3. The ignition coil as claimed in claim 2,  
2       wherein the bobbin is formed with a plurality of  
3       protrusions for holding the first terminals therein, and  
4       each concave portion is formed at one of the protrusions  
5       respectively.

1       4. The ignition coil as claimed in claim 1,  
2       further comprising:

3           a plurality of pins, corresponding to the first  
4           terminals respectively, embedded inside the  
5           casing.

1       5. The ignition coil as claimed in claim 4,  
2       wherein each of the first terminals includes a ring-  
3       shaped portion in contact with the corresponding pin.

1           6. The ignition coil as claimed in claim 5,  
2 wherein each ring-shaped portion is abutted by the body  
3 and the casing respectively.

1           7. The ignition coil as claimed in claim 5,  
2 wherein each of the pins is surrounded by the  
3 corresponding ring-shaped portion to contact the  
4 corresponding first terminal.

1           8. The ignition coil as claimed in claim 5,  
2 wherein each of the first terminals further includes a  
3 protruding portion integrally formed with the ring-shaped  
4 portion.

1           9. The ignition coil as claimed in claim 5,  
2 wherein the casing is provided with a base in which the  
3 pins are disposed, and each ring-shaped portion is  
4 abutted by the base.

1           10. The ignition coil as claimed in claim 9,  
2 wherein the base is formed with a plurality of supporting  
3 portions to be abutted by the ring-shaped portions.

1           11. The ignition coil as claimed in claim 1,  
2 wherein the bobbin further includes a primary portion and  
3 a secondary portion.

1           12. The ignition coil as claimed in claim 11,  
2 further comprising:

3           a primary coil surrounding the primary portion; and  
4           a secondary coil, surrounding the secondary portion,  
5           connected to the first terminals.

1           13. The ignition coil as claimed in claim 12,  
2       wherein the bobbin further comprises:

3           two second terminals, connected to the primary coil,  
4            embedded in the body.

1           14. The ignition coil as claimed in claim 1,  
2       further comprising:

3           a core disposed inside the bobbin.

1           15. The ignition coil as claimed in claim 1,  
2       wherein the casing is made of plastic.

1           16. The ignition coil as claimed in claim 1,  
2       wherein each of the pins is made of metal.

1           17. An ignition coil comprising:

2           a casing;

3           a bobbin including a body, a plurality of first  
4            terminals embedded in the body, and two second  
5            terminals embedded in the body, wherein the  
6            bobbin is disposed inside the casing, and each  
7            of the first terminals is abutted by the body  
8            and the casing respectively so that each of the  
9            first terminals is maintained in a  
10          predetermined position on the body;

11          a primary coil, surrounding the body of the bobbin,  
12            connected to the second terminals;

13          a secondary coil, surrounding the body of the  
14            bobbin, connected to the first terminals; and  
15          a core disposed inside the bobbin.

1           18. The ignition coil as claimed in claim 17,  
2       wherein the bobbin is formed with a plurality of concave  
3       portions for receiving the first terminals therein.

1           19. The ignition coil as claimed in claim 18,  
2       wherein the bobbin is formed with a plurality of  
3       protrusions for holding the first terminals therein, and  
4       each of the concave portions is formed at one of the  
5       protrusions respectively.

1           20. The ignition coil as claimed in claim 17,  
2       further comprising:

3           a plurality of pins, corresponding to the first  
4       terminals respectively, embedded inside the  
5       casing.

1           21. The ignition coil as claimed in claim 20,  
2       wherein each of the first terminals includes a ring-  
3       shaped portion contacting each corresponding pin.

1           22. The ignition coil as claimed in claim 21,  
2       wherein each ring-shaped portion is abutted by the body  
3       and the casing respectively.

1           23. The ignition coil as claimed in claim 21,  
2       wherein each pin is surrounded by the corresponding ring-  
3       shaped portion to contact each corresponding first  
4       terminal.

1           24. The ignition coil as claimed in claim 21,  
2       wherein each first terminal further includes a protruding  
3       portion integrally formed with the ring-shaped portion.

1           25. The ignition coil as claimed in claim 21,  
2       wherein the casing is provided with a base in which the  
3       pins are disposed, and each ring-shaped portion is  
4       abutted by the base.

1           26. The ignition coil as claimed in claim 25,  
2       wherein the base is formed with a plurality of supporting  
3       portions to be abutted by the ring-shaped portions.

1           27. The ignition coil as claimed in claim 17,  
2       wherein the bobbin further comprises:

3               a primary portion surrounded by the primary coil;  
4               and  
5               a secondary portion surrounded by the secondary  
6               coil.

1           28. The ignition coil as claimed in claim 17,  
2       wherein the casing is made of plastic.

1           29. The ignition coil as claimed in claim 17,  
2       wherein each of the pins is made of metal.

1           30. The ignition coil as claimed in claim 17,  
2       wherein the bobbin further comprises:

3               two second terminals, connected to the primary coil,  
4               embedded in the body.